

AMENDMENTS TO THE CLAIMS

In the claims:

1. (currently amended) A magnetic pole for magnetic levitation vehicles,
comprising: [[of]]

a core (1) having a center axis (5); and

a winding (10, 35, 36) applied on said core (1), characterized in that said
winding (10, 35, 36) has two disks (11, 12) ~~spaced~~ adjacent to each other in the
direction of the center axis (5), said disks being formed of conductor strip
sections (21a, 21b, 29, 30) ~~coiled in an opposite winding sense and in several~~
layers coaxially around the center axis (5) onto said core (1) and having a
plurality of layers (14) in a radial direction of the center axis (5), the conductor
strip section (21a, 29) coiled in a first winding sense, the conductor strip section
(21b, 30) coiled in a second winding sense being opposite the first winding
sense, each disc (11, 12) having an outside layer being radially farthest from the
core (1) and an inside layer being near the core (1), the two inside layers of the
two disks (11, 12) being conductively connected by a connection section (21c,
31, 17), the two outside layers provided each with an electrical connection (18,
19), the connection section (21c, 31) determining the winding senses of the two
conductor strip sections (21a, 21b, 29, 30) and an axial distance (a) between the
two disks (11, 12). ~~conductively connected to each other at ends near said core~~
~~(1) by a central connection section (21c, 31) which defines the axial distance (a)~~

~~of said two disks (11,12) and the winding sense of the two conductor strip sections (21a, 21b, 29, 30).~~

2. (original) A magnetic pole according to Claim 1, characterized in that said winding (10) is made of a continuous, one-piece conductor strip (21) basically having the same width (b) throughout, wherein the axial distance (a) of the two disks (11, 12) is defined by folding in the area of the connection section (21c).

3. (original) A magnetic pole according to Claim 2, characterized in that the conductor strip (21) is folded along two folding lines (22, 23) which are arranged in parallel to each other and obliquely to a longitudinal axis (24) of the conductor strip (21).

4. (original) A magnetic pole according to Claim 1, characterized in that said winding (35, 36) is made of a continuous conductor strip (28) in which the connection section (31) is configured as a planar formed part which has two connecting terminals (31a, 31b) that define the axial distance (a) of the two disks and are connected to one conductor strip section (29, 30) each.

5. (original) A magnetic pole according to Claim 4, characterized in that the two conductor strips (29, 30) are connected by welding to the connection section (31).

6. (previously presented) A magnetic pole according to Claim 1, characterized in that at least one conductor strip section (29, 30) is properly cut at one outer longitudinal rim (29a, 30a) so that its width (e) continuously increases from the connection section (31) in longitudinal direction up to a maximum value (e_1).

7. (original) A magnetic pole according to Claim 6, characterized in that the maximum value (e_1) of width, viewed in longitudinal direction, is reached after a length that corresponds to a number of layers (34) which is smaller than the total number of layers (34) of the pertaining disk.

8. (original) A magnetic pole according to Claim 7 characterized in that the maximum value (e_1) of the width is reached after a length of the conductor strip (29, 30) that corresponds to approximately ten layers (34).

9. (previously presented) A magnetic pole according to Claim 6, characterized in that the longitudinal rims (29a, 30a) of conductor strip sections (29, 30) are symmetrically tailor-cut with respect to a longitudinal axis (32) extending vertically to the center axis (5) of said conductor strip (28), but with some offset formed by the connection section (31).

10. (previously presented) A magnetic pole according to Claim 6, characterized in that the longitudinal rims (29a, 30a) are tailor-cut along straight lines or continuous curves.

11. (previously presented) A magnetic pole according to Claim 4, characterized in that the connection section (31) is so configured that it forms the first layer of the two disks wound around said core (1) and covers a slot formed by the distance (a) of the two disks.

12. (previously presented) A magnetic pole according to any Claim 1, characterized in that said core (1) at its shell surface is wrapped by an insulation layer (3) and that a partially conductive foil is located between said insulation layer (3) and the layer (14, 34a) of said disk (11, 12) bordering it, said conductive foil resting against steps formed by tailor-cutting of said conductor strip (21, 28).